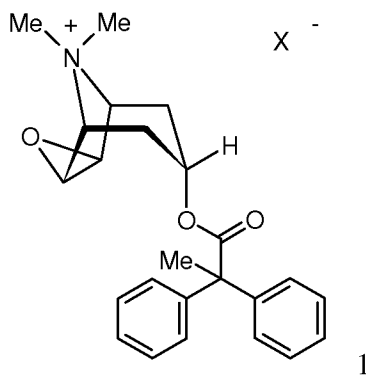


This listing of claims will replace all prior versions, and listings, of claims in the application:

## **LISTING OF CLAIMS:**

**1. (Currently Amended)** A pharmaceutical composition for the treatment of chronic obstructive pulmonary disease comprising:

(a) one or more anticholinergics of formula 1



wherein:

X- is an anion with a single negative charge,

or an enantiomer, mixture of enantiomers, racemate, ~~solvate~~, or hydrate thereof; and

(b) one or more NK<sub>1</sub> receptor antagonists, selected from among (S)-N-[2-[3,5-bis(trifluoromethyl) phenyl]ethyl]-4-(cyclopropylmethyl)-N-methyl- $\alpha$ -phenyl-1-piperazineacetamide (+)-(2S, 3S)-3-(2-methoxy-5-trifluoromethoxybenzyl)amino-2-phenylpiperidine, (4R)-4-hydroxy-1-[(1-methyl-1H-indol-3-yl)carbonyl]-L-pyrrolyl-N-methyl-3-(2-naphthalenyl)-N-(phenylmethyl)-L-alaninamide, (2R,4S)-N-[1-{3,5-bis(trifluoromethyl)-benzoyl}-2-(4-chlorobenzyl)-4-piperidinyl]-quinoline-4-carboxamide, (S)-1-[2-[3-(3,4-dichlorophenyl)-1-(3-isopropoxyphenylacetyl)piperidin-3-yl]ethyl]-4-phenyl-1-azabicyclo[2.2.2]octane, (R)-1-[N-(2-methoxybenzyl)acetylamino]-3-(1H-indol-3-yl)-2-[N-(2-(4-(piperidinyl)piperidin-1-yl)acetyl)amino]propane, (S)-(-)-N(alpha-ethylbenzyl)-3-hydroxy-2-phenylquinoline-4-carboxamide, 1-(3-(3,4-dichlorophenyl)-1-(3,4,5-trimethoxybenzoyl)-3-pyrrolidinyl)-4-phenyl-piperidin-morpholinecarboxamide, 2-(2-naphthyl)-1-N-[(1R, 2S)-2-N-[2(H)indol-3-ylcarbonyl]aminocyclohexanecarbonyl]-1-[N'-ethyl-N'-(4-methylphenylacetyl)]diaminoethane, (1R,2S)-2-N[1(H)indol-3-yl-carbonyl]1-N-[Na(p-tolylacetyl)-N-D-3-(2-naphthyl)alanyl]diaminocyclohexane, (R)-3(1-[2-(4-benzoyl-2-

(3,4-difluorophenyl)-morpholin-2-yl)ethyl]-4-phenylpiperidin-4-yl)-1-dimethylurea, N-[2(S)-(3,4-dichlorophenyl)-4-[4-(2-oxoperhydropyrimidin-1-yl)piperidin-1-yl]butyl]-N-methylbenzamide dihydrochloride, N-(2-(3,4-dichlorophenyl)-4-(spiro(isobenzofuran-1(3H),4'-piperidin)-1'-yl)butyl)-N-methylbenzamide, 2-(R)-(1-(R)-3,5-bis(trifluoromethyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-oxo-1,2,4-triazol-5-yl)methylmorpholine, (2S,3S-*cis*)-2-diphenylmethyl)-N-1-azabicyclo-[2.2.2]octan-3-amine, [3-[[2-[1-[3,5-bis(trifluoromethyl)phenyl]ethoxy]-3(S)-(4-fluorophenyl)-morpholin-4-yl]methyl]-4,5-dihydro-5-oxo-1H-1,2,4-triazole-1-phosphonic acid bis(N-methyl-D-glucamine) salt, (aR,9R)-7-[3,5-bis(trifluoromethyl)benzyl]-8,9,10,11-tetrahydro-9-methyl-5-(4-methylphenyl)-7H-[1,4]diazocino[2,1-g][1,7]naphthyridine-6,13-dione, and (2S,3S)-N-[2-methoxy-5-[5-(trifluoromethyl)-1-tetrazolyl]benzyl]-N-(2-phenylpiperidin-3-yl)amine dihydrochloride,

or an enantiomer, mixture of enantiomers; or racemate, ~~solvate, or hydrate~~ thereof.

**2. (Previously Presented)** The pharmaceutical composition according to claim 1, wherein X<sup>-</sup> is chloride, bromide, iodide, sulphate, phosphate, nitrate, maleate, acetate, citrate, fumarate, tartrate, oxalate, succinate, benzoate, 4-toluenesulphonate, or methanesulphonate.

**3. (Previously Presented)** The pharmaceutical composition according to claim 1, wherein X<sup>-</sup> is bromide.

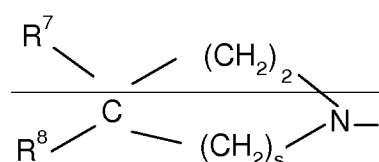
**4. (Canceled)**

**5. (Currently Amended)** The pharmaceutical composition according to claim 1, wherein the NK<sub>1</sub> receptor antagonists are selected from the group consisting of (S)-N-[2-[3,5-bis(trifluoromethyl) phenyl]ethyl]-4-(cyclopropylmethyl)-N-methyl- $\alpha$ -phenyl-1-piperazineacetamide, (+)-(2S, 3S)-3-(2-methoxy-5-trifluoromethoxybenzyl)amino-2-phenylpiperidine, (2S,3S-*cis*)-2-diphenylmethyl)-N-1-azabicyclo-[2.2.2]octan-3-amine, (2S,3S)-N-[2-methoxy-5-[5-(trifluoromethyl)-1-tetrazolyl]benzyl]-N-(2-phenylpiperidin-3-yl)amine dihydrochloride, ~~N-[2-(3,5-bis-trifluoromethyl-phenyl)-ethyl]-2-[4-[(3-hydroxy-propyl)-methyl-amino]-piperidin-1-yl]-N-methyl-2-phenyl-acetamide, N-[2-(3,5-bis-~~

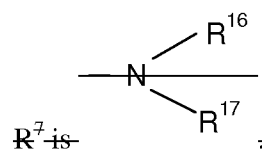
~~trifluoromethyl-phenyl)-ethyl]-2-[4-(2-hydroxy-1-hydroxymethyl-ethylamino)-piperidin-1-yl]-N-methyl-2-phenylacetamide, N-[2-(3,5-bis-trifluoromethyl-phenyl)-ethyl]-2-[4-(cyclopropylmethyl-methyl-amino)-piperidin-1-yl]-N-methyl-2-phenylacetamide, N-[2-(3,5-bis-trifluoromethyl-phenyl)-ethyl]-2-[4-[(2-hydroxy-ethyl)-(3-hydroxy-propyl)-amino]-piperidin-1-yl]-N-methyl-2-phenylacetamide, N-[2-(3,5-bis-trifluoromethyl-phenyl)-ethyl]-2-[4-[cyclopropylmethyl-(3-hydroxy-propyl)-amino]-piperidin-1-yl]-N-methyl-2-phenylacetamide, or an arylglycinamide compound of formula 3~~

wherein:

~~R<sup>1</sup> and R<sup>2</sup> together with the N to which they are bound form a ring of formula~~



wherein s is 2 or 3;



wherein R<sup>16</sup> and R<sup>17</sup> are each independently H, (C<sub>1</sub>-C<sub>4</sub>)alkyl, (C<sub>3</sub>-C<sub>6</sub>)cycloalkyl, hydroxy(C<sub>2</sub>-C<sub>4</sub>)alkyl, dihydroxy(C<sub>2</sub>-C<sub>4</sub>)alkyl, (C<sub>1</sub>-C<sub>3</sub>)alkoxy(C<sub>2</sub>-C<sub>4</sub>)alkyl, phenyl(C<sub>1</sub>-C<sub>4</sub>)alkyl or di(C<sub>1</sub>-C<sub>3</sub>)alkylamino(C<sub>2</sub>-C<sub>4</sub>)alkyl, and

R<sup>8</sup> is H,

or an enantiomer, mixture of enantiomers, or racemate thereof.

## 6. (Canceled)

7. (Previously Presented) The pharmaceutical composition according to claim 1, wherein the weight ratio of the anticholinergic to the NK<sub>1</sub> receptor antagonist is in the range from 1:100 to 100:1.

8. (Previously Presented) The pharmaceutical composition according to claim 1,

wherein a single administration corresponds to a dosage of the combination of the anticholinergic and the NK<sub>1</sub> receptor antagonist of 0.01 to 10,000 µg.

**9. (Withdrawn)** The pharmaceutical composition according to claim 1, wherein the pharmaceutical composition is in the form of a formulation suitable for inhalation.

**10. (Previously presented)** The pharmaceutical composition according to claim 9, wherein the pharmaceutical composition is a formulation selected from among inhalable powders, propellant-containing metering aerosols and propellant-free inhalable solutions or suspensions.

**11. (Withdrawn)** The pharmaceutical composition according to claim 10, wherein the pharmaceutical composition is an inhalable powder which contains the anticholinergic and the NK<sub>1</sub> receptor antagonist in admixture with suitable physiologically acceptable excipients selected from the monosaccharides, disaccharides, oligo- and polysaccharides, polyalcohols, salts, or mixtures of these excipients.

**12. (Withdrawn)** The inhalable powder according to claim 11, wherein the excipient has a maximum average particle size of up to 250 µm.

**13. (Withdrawn)** A capsule containing an inhalable powder according to claim 11 or 12.

**14. (Withdrawn)** The pharmaceutical composition according to claim 10, wherein the pharmaceutical composition is an inhalable powder consisting essentially of the anticholinergic and the NK<sub>1</sub> receptor antagonist.

**15. (Withdrawn)** The pharmaceutical composition according to claim 10, wherein the pharmaceutical composition is a propellant-containing inhalable aerosol comprising the anticholinergic and the NK<sub>1</sub> receptor antagonist in dissolved or dispersed form.

**16. (Withdrawn)** The propellant-containing inhalable aerosol according to claim 15, wherein the propellant gas is n-propane, n-butane or isobutane, or chlorinated and/or

fluorinated derivatives of methane, ethane, propane, butane, cyclopropane, or cyclobutane.

**17. (Withdrawn)** The propellant-containing inhalable aerosol according to claim 16, wherein the propellant gas is TG11, TG12, TG134a, TG227 or a mixture thereof.

**18. (Withdrawn)** The propellant-containing inhalable aerosol according to claim 15, further comprising one or more other ingredients selected from the group consisting of cosolvents, stabilizers, surfactants, antioxidants, lubricants and means for adjusting the pH.

**19. (Withdrawn)** The propellant-containing inhalable aerosol according to claim 15, wherein the inhalable aerosol contains up to 5 wt.-% of the anticholinergic and/or the NK<sub>1</sub> receptor antagonist.

**20. (Previously presented)** The pharmaceutical composition according to claim 10, wherein the pharmaceutical composition is a propellant-free inhalable solution or suspension which contains water, ethanol or a mixture of water and ethanol as solvent.

**21. (Previously presented)** The inhalable solution or suspension according to claim 20, wherein the pH is 2-7.

**22. (Previously presented)** The inhalable solution or suspension according to claim 21, wherein the pH is adjusted by means of an acid selected from among hydrochloric acid, hydrobromic acid, nitric acid, sulphuric acid, ascorbic acid, citric acid, malic acid, tartaric acid, maleic acid, succinic acid, fumaric acid, acetic acid, formic acid and propionic acid or a mixture thereof.

**23. (Previously presented)** The inhalable solution or suspension according to claim 20, further comprising other co-solvents and/or excipients.

**24. (Previously presented)** The inhalable solution or suspension according to claim 23, wherein the co-solvents are isopropyl alcohol, propyleneglycol, polyethyleneglycol, polypropyleneglycol, glycolether, glycerol, polyoxyethylene alcohols or polyoxyethylene

fatty acid esters.

**25. (Previously presented)** The inhalable solution or suspension according to claim 23, wherein the excipients are surfactants, stabilizers, complexing agents, antioxidants and/or preservatives, flavorings, pharmacologically acceptable salts and/or vitamins.

**26. (Previously presented)** The inhalable solution or suspension according to claim 25, wherein the complexing agent is editic acid or a salt of editic acid.

**27. (Previously presented)** The inhalable solution or suspension according to claim 25, wherein the antioxidants are ascorbic acid, vitamin A, vitamin E, or tocopherols.

**28. (Previously presented)** The inhalable solution or suspension according to claim 25, wherein the preservatives are cetyl pyridinium chloride, benzalkonium chloride, benzoic acid, or benzoates.

**29. (Previously presented)** The inhalable solution or suspension according to claim 23, consisting essentially of the anticholinergic, the NK<sub>1</sub> receptor antagonist, the solvent, benzalkonium chloride, and sodium edetate.

**30. (Previously presented)** The inhalable solution or suspension according to claim 23, consisting essentially of the anticholinergic, the NK<sub>1</sub> receptor antagonist, the solvent, and benzalkonium chloride.

**31. (Previously presented)** The inhalable solution or suspension according to claim 20, wherein the inhalable solution or suspension is a concentrate or a sterile ready-to-use inhalable solution or suspension.

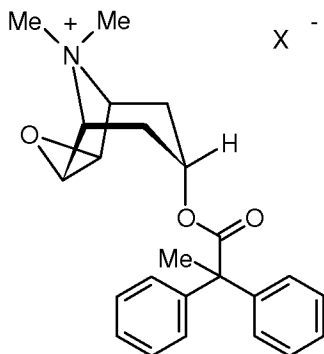
**32. – 33. (Canceled)**

**34. (Withdrawn)** The propellant-containing inhalable aerosol according to claim 17, wherein the propellant gas is TG134a, TG227 or a mixture thereof.

**35. (Previously presented)** A method of treatment of chronic obstructive pulmonary disease, comprising administering to a mammal in need of such treatment a therapeutically effective amount of a pharmaceutical composition according to claim 1.

**36. (Canceled)**

**37. (Currently Amended)** A method of treatment of chronic obstructive pulmonary disease, comprising administering simultaneously or sequentially to a mammal in need of such a treatment a therapeutically effective amount of a first pharmaceutical formulation comprising one or more anticholinergics of formula 1



wherein:

X<sup>-</sup> is an anion with a single negative charge, or an enantiomer, mixture of the enantiomers, racemate, solvate, or hydrate thereof; and

a second pharmaceutical formulation comprising one or more NK<sub>1</sub> receptor antagonists selected from among (S)-N-[2-[3,5-bis(trifluoromethyl) phenyl]ethyl]-4-(cyclopropylmethyl)-N-methyl-α-phenyl-1-piperazineacetamide (+)-(2S, 3S)-3-(2-methoxy-5-trifluoromethoxybenzyl)amino-2-phenylpiperidine, (4R)-4-hydroxy-1-[(1-methyl-1H-indol-3-yl)carbonyl]-L-pyrrolyl-N-methyl-3-(2-naphthalenyl)-N-(phenylmethyl)-L-alaninamide, (2R,4S)-N-[1-{3,5-bis(trifluoromethyl)-benzoyl}-2-(4-chlorobenzyl)-4-piperidinyl]-quinoline-4-carboxamide, (S)-1-[2-[3-(3,4-dichlorophenyl)-1(3-

isopropoxyphenylacetyl)piperidin-3-yl]ethyl]-4-phenyl-1-azabicyclo [2.2.2]octane, (R)-  
1-[N-(2-methoxybenzyl)acetylamino]-3-(1H-indol-3-yl)-2-[N-(2-(4-(piperidinyl)piperidin-1-  
yl)acetyl)amino]propane, (S)-(-)-N(alpha-ethylbenzyl)-3-hydroxy-2-phenylquinoline-4-  
carboxamide, 1-(3-(3,4-dichlorophenyl)-1-(3,4,5-trimethoxybenzoyl)-3-pyrrolidinyl)-4-  
phenyl-piperidin-morpholinecarboxamide, 2-(2-naphthyl)-1-N-[(1R, 2S)-2-N-[2(H)indol-3-  
ylcarbonyl]aminocyclohexanecarbonyl]-1-[N'-ethyl-N'-(4-  
methylphenylacetyl)]diaminoethane, (1R,2S)-2-N[1(H)indol-3-yl-carbonyl]1-N-{Nα(p-  
tolylacetyl)-N-D-3-(2-naphthyl)alanyl}diaminocyclohexane, (R)-3(1-[2-(4-benzoyl-2-(3,4-  
difluorophenyl)-morpholin-2-yl)ethyl]-4-phenylpiperidin-4-yl)-1-dimethylurea, N-[2(S)-(3,4-  
dichlorophenyl)-4-[4-(2-oxoperhydropyrimidin-1-yl)piperidin-1-yl]butyl]-N-  
methylbenzamide dihydrochloride, N-(2-(3,4-dichlorophenyl)-4-(spiro(isobenzofuran-  
1(3H),4'-piperidin)-1'-yl)butyl)-N-methylbenzamide, 2-(R)-(1-(R)-3,5-  
bis(trifluoromethyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-oxo-1,2,4-triazol-5-  
yl)methylmorpholine, (2S,3S-cis)-2-diphenylmethyl)-N-1-azabicyclo-[2.2.2]octan-3-amine,  
[3-[2-[1-[3,5-bis(trifluoromethyl)phenyl]ethoxy]-3(S)-(4-fluorophenyl)-morpholin-4-  
yl]methyl]-4,5-dihydro-5-oxo-1H-1,2,4-triazole-1-phosphonic acid bis(N-methyl-D-  
glucamine) salt, (aR,9R)-7-[3,5-bis(trifluoromethyl)benzyl]-8,9,10,11-tetrahydro-9-methyl-5-  
(4-methylphenyl)-7H-[1,4]diazocino[2,1-g][1,7]naphthyridine-6,13-dione, and (2S,3S)-N-[2-  
methoxy-5-[5-(trifluoromethyl)-1-tetrazolyl]benzyl]-N-(2-phenylpiperidin-3-yl)amine  
dihydrochloride,

or an enantiomer, mixture of the enantiomers; or racemate, solvate, or hydrate thereof.